



# Texas Brine Company, LLC

1301 Highway 70  
Belle Rose, LA 70341  
Phone: 985-369-6657  
Fax: 985-369-7873



April 9, 2013

Commissioner James H. Welsh  
P.O. Box 94275  
Baton Rouge, LA 70804

**RE: In response to State of Louisiana Department of Natural Resources Office of Conservation's Second Amendment to Declaration of Emergency and Directive**

Commissioner Welsh,

In response to the Second Amendment and Declaration of Emergency and Directive order issued by the Louisiana Department of Natural Resources (LDNR), Office of Conservation on September 25, 2012, Texas Brine Company, LLC (TPC) understands the seven items listed in the document.

In the above mentioned, TBC was specifically directed and ordered to perform certain tasks outlined in the above mentioned document. Below are the required responses, as directed.

1. TBC's counsel provided LDNR legal counsel with a response to Directives 1-3 on September 28, 2012.
2. TBC understands Directive 4, which is to provide all daily logs and field notes from all contractors conducting investigation into subsidence and natural gas bubbling. The Daily Action Summary and results for current information can be found in the Attachment section of this report.
3. TBC understands Directive 5, which directs TBC to immediately allow for split or share any sample taken on site related to Well 3A (Serial Number 974265), the cavern, other wells facilities or other site locations. The Daily Action Summary of today's collection can be found in Attachment section of this report.
4. TBC understands Directive 6, which directs TBC to immediately report the results (final and preliminary) of any tests, logs samples or data collection performed on Well 3A, the cavern, other wells, facilities or site locations that indicate a change in any previously known conditions related to the investigation of the subsidence or natural gas bubbling

events, and continue to report any such results. The Daily Action Summary and the Results related to this Directive can be found in Attachment section of this report.

5. TBC understands the Directive 7, which states that TBC will provide a daily summary of all tests, or logs performed or samples taken from Well 3A and the cavern as well as any results of those tests or logs, including preliminary as of September 25, 2012 and going forward. The Daily Summary and Results related to this Directive can be found in Attachment section of this report.

Please note that the drilling rig used for the Observation Well 3A has been removed and the site is being rigged down and returned to pre-drilling condition. As such, daily drilling reports for this well have ceased. Plans are being made for longer term potential gas venting/flaring requirements and possible hydrocarbon material recover from Well 3A.

In addition, previous daily summary reports issued to LDNR have included significant duplicate information as there is a fair amount of overlap in the information requested in each of the Directives included in the September 25, 2012 order. All requested information associated with the Directives issued in the September 25, 2012 order are included in the Attachment section of this report.

TBC believes that the submittal of this report satisfies the requirements of the Declaration of Emergency and Directive issued on September 25, 2012. As directed this report is submitted by email to [conservationorder@la.gov](mailto:conservationorder@la.gov), ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.



Bruce E. Martin

Vice President, Operations

Texas Brine Company, LLC

**Summary Table for Daily Events**

TBC Oxy Grand Bayou Data Management-Environmental											
Contractor	Responsibilities		Collected By		Date Collected		Delivered to Lab	Results from Lab	Laboratory	Method	Date to Agencies
Sage	Stationary Air Monitoring		Eric Rucinski - 08:05 - 09:00 Pete Hyatt IV (Code Red) - 07:00 - 17:00		4/8/2013		NA	NA	NA	AreaRAE Monitors	4/9/2013
	Residential Air Monitoring		Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities.		NA		NA	NA	NA	NA	NA
	Gas Seep Sampling		No work performed		4/8/2013		NA	NA	NA	NA	NA
	Well Gas Sampling		No work performed		4/8/2013		NA	NA	NA	NA	NA
	Under Slab Gas Sampling		No work performed		4/8/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring		Eric Rucinski & Jill Martin Site 165 - 10:39-10:57		4/8/2013		NA	NA	NA	Hand-held Multipro Monitor	4/9/2013
Respec	Inclinometers/Tilt Meters		NA		NA		NA	NA	NA	NA	NA
	InSAR Reflector Installations		NA	No work conducted	No work conducted	NA	NA	NA		NA	NA
	Subsidence Survey-Fenstermaker		NA	No work conducted	No work conducted	NA	NA	NA		NA	NA
	Shallow Geophone Installation		NA	No work conducted	No work conducted	NA	NA	NA		NA	NA
	Deep Geophone Installation		NA	No work conducted	No work conducted	NA	NA	NA		NA	NA
	Amendment #3, Directive #2		NA	No work conducted	No work conducted	NA	NA	NA		NA	NA
Miller	Weekly Stability Survey		No Work Performed		April 8, 2013		NA	NA	NA	NA	NA
	Misc. Survey Work		No Work Performed		April 8, 2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey		No Work Performed		April 8, 2013		NA	NA	NA	NA	NA
Pisani	Surface Water		NA		NA		NA	NA	NA	NA	NA
	Industrial Well Water		NA		NA		NA	NA	NA	NA	NA
	MRAAWell Water		NA		NA		NA	NA	NA	NA	NA
	Geoprobe Wells		NA		NA		NA	NA	NA	NA	NA
Grand Bayou Well 3A											
Daily Operations at 3A  4/9/2013			Summary of Today's events								
			Oxy 3A								
			7am								
			504.14	4/9/2013							
4/9/2013			Relief Well #1								
			See ORW-01 Flare Spreadsheet								

Laboratory

Lab Contact

Laboratory

Lab Contact

## **Attachments**

## **Daily Action Summary**

**April 8, 2013**

### **Stationary Air Monitoring**

- Eric Rucinski onsite from 08:05 to 09:00. Changed out the monitors between 08:25 and 08:45. Collected data from the monitoring database and forwarded to Steve Shaughnessy in the Baton Rouge office for processing.
- Pete Hyatt IV of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

### **Residential Air Monitoring**

- Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities. The last event was conducted on March 26, 2013.

### **Gas Seep Sampling**

- Not Scheduled

### **Well Gas Sampling**

- Not Scheduled

### **Under Slab Gas Sampling**

- Accutest will be contacted to receive an update on the TO15 analytical results from the under slab gas samples collected at Site 57 by Tetra Tech on April 4, 2013.

### **Air Indoor Monitoring**

- Eric Rucinski and Jill Martin performed the in-home LEL and H<sub>2</sub>S monitoring between 10:39 and 10:57 for Site 165. Data collected from the monitoring was forwarded to Jill Martin in the Baton Rouge office for processing.

Texas Brine - Belle Rose, Louisiana  
Hourly Air Monitoring Data

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom					Relief Well				
	ST-3					ST-2					ST-1					OG 3A-1					RW-1				
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
04/08/2013 01:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
04/08/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 08:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
04/08/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	<1.0	20.9
04/08/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	<1.0	<1.0	<1.0	0.0	20.8	<1.0	0.0	<1.0	0.0	20.9	1.1	0.0	<1.0	3.5	20.9
04/08/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	<1.0	<1.0	20.9
04/08/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	21.1	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
04/08/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	<1.0	20.9
04/08/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	<1.0	20.9
04/08/2013 03:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 07:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 09:00:00 PM	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
04/08/2013 10:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 11:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/09/2013 12:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9

Notes:



**Indoor Monitoring Locations**

**Through 04/08/2013**

**Sportsman Drive Locations**







**Indoor Monitoring Locations  
Through 04/08/2013  
Crawfish Stew Street Locations**





## **Indoor Monitoring Locations**

**Through 04/08/2013**

**Sauce Piquante Lane and Jambalaya Street Locations**

**S A G E**  
ENVIRONMENTAL CONSULTING





**Indoor Monitoring Locations  
Through 04/08/2013  
Grand Bayou Street Locations**



Indoor Residential Monitoring - Site 165  
Bayou Corne, LA  
April 8, 2013

Index	Rooms Monitored	Number of Readings Taken In Reach Area/Room	LEL Reading Results (%)	H <sub>2</sub> S Reading Results (ppm)
1	Dining Room	3	No Detectable Readings	No Detectable Readings
2	Right Guest Bedroom	1	No Detectable Readings	No Detectable Readings
3	Closet in Right Guest Bedroom	3	No Detectable Readings	No Detectable Readings
4	Left Guest Bedroom	1	No Detectable Readings	No Detectable Readings
5	Closet in Left Guest Bedroom	3	No Detectable Readings	No Detectable Readings
6	Hall Bathroom	4	No Detectable Readings	No Detectable Readings
7	Laundry Room	2	No Detectable Readings	No Detectable Readings
8	Kitchen	4	No Detectable Readings	No Detectable Readings
9	Living Room	3	No Detectable Readings	No Detectable Readings
10	Master Bedroom	1	No Detectable Readings	No Detectable Readings
11	Closet in Master Bedroom	3	No Detectable Readings	No Detectable Readings
12	Bathroom in Master Bedroom	6	No Detectable Readings	No Detectable Readings

Texas Brine - Belle Rose, Louisiana  
Hourly Air Monitoring Data

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom					Relief Well				
	ST-3					ST-2					ST-1					OG 3A-1					RW-1				
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
04/08/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
04/08/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9
04/08/2013 08:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
04/08/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.6	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	<1.0	20.9
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04/08/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	<1.0	<1.0	20.9
04/08/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	21.1	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
04/08/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	<1.0	20.9
04/08/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	<1.0	20.9
04/08/2013 03:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 07:00:00 PM	0.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 09:00:00 PM	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
04/08/2013 10:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/08/2013 11:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/09/2013 12:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/09/2013 01:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9
04/09/2013 02:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
04/09/2013 03:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
04/09/2013 04:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
04/09/2013 05:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9

Notes:

## **ME&A Daily Action Summary**

April 8, 2013

### **Subsidence Survey:**

- No Work Done

### **Sinkhole Perimeter/Hydrographic Survey:**

- No Work Done

### **Support Sinkhole Cleanup**

- No Work Done

### **Misc. Survey Work**

- No Work Done

**Michael Pisani & Associates**  
**Texas Brine, L.L.C.**  
**Assumption Parish, Louisiana**  
**Daily Field Report**

Report By: Patrick Ritchie

Company: MP&A

Date: 4/8/2013

Work Order # 80-05

Health and Safety Meeting ☐ YES

☐ NO

Weather: 80 F mostly cloudy

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>
<u>Patrick Ritchie</u>	<u>MP&amp;A</u>	<u>Environmental Scientist</u>
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Site Activities:      Start Time      10:30      End Time      14:00

**Equipment On-site:**

**Daily Activity:**

Measure pressure and water level at TBC Geoprobe locations

Estimated time of completion:

On-going

**Proposed schedule:**

Conduct in-situ monitoring surface water transect and industrial water well locations

Measure water level for the industrial water wells

Measure pressure and water level at TBC Geoprobe locations

On-going

Initials: PMR